RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/587,300Source: 1FWPDate Processed by STIC: 08/9/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial :	Number:	10/587,300	CRF Edit Date: Edited by:	8/9/2006 3_
		cleic acid/amino acid nu ed" to the next line	mbers/text in cases where the	sequence
	Corrected th	e SEQ ID NO. Sequence	numbers edited were:	
	Inserted or c NO's edited		er at the end of a nucleic line.	SEQ ID
_/	Deleted:	invalid beginning/end-o	f-file text ; page numbers	
	Inserted mar	ndatory headings/numeri	c identifiers, specifically:	
	Moved respo	nses to same line as head	ling/numeric identifier, specif	ically:
	Other:			

Revised 09/09/2003



IFWP

RAW SEQUENCE LISTING DATE: 08/09/2006 PATENT APPLICATION: US/10/587,300 TIME: 14:13:10

Input Set : A:\pto.da.txt

. . - - . . .

Output Set: N:\CRF4\08082006\J587300.raw

```
4 <110> APPLICANT: Yule, D.I.
     5 Wagner II, Larry
     7 <120> TITLE OF INVENTION: Inositol 1,4,5-trisphosphate receptor
            mutants and uses thereof
    10 <130> FILE REFERENCE: 21108.0042U2
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/587,300
C--> 12 <141> CURRENT FILING DATE: 2006-07-26
    12 <150> PRIOR APPLICATION NUMBER: PCT/US2005/002380
    13 <151> PRIOR FILING DATE: 2005-01-26
    15 <150> PRIOR APPLICATION NUMBER: 60/539,245
    16 <151> PRTOR FILING DATE: 2004-01-26
    18 <160> NUMBER OF SEQ ID NOS: 32
    20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 2710
    24 <212> TYPE: PRT
    25 <213> ORGANISM: Artificial Sequence
    27 <220> FEATURE:
    28 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
             synthetic construct
    31 <400> SEQUENCE: 1
    32 Met Ser Asp Lys Met Ser Ser Phe Leu His Ile Gly Asp Ile Cys Ser
                      5
                                           10
    34 Leu Tyr Ala Glu Gly Ser Thr Asn Gly Phe Ile Ser Thr Leu Gly Leu
    36 Val Asp Asp Arg Cys Val Val Gln Pro Glu Ala Gly Asp Leu Asn Asn
                                   40
    38 Pro Pro Lys Lys Phe Arg Asp Cys Leu Phe Lys Leu Cys Pro Met Asn
    40 Arg Tyr Ser Ala Gln Lys Gln Phe Trp Lys Ala Ala Lys Pro Gly Ala
                           70
    42 Asn Ser Thr Thr Asp Ala Val Leu Leu Asn Lys Leu His His Ala Ala
                       85
                                           90
    44 Asp Leu Glu Lys Lys Gln Asn Glu Thr Glu Asn Arg Lys Leu Leu Gly
    45
                   100
                                       105
    46 Thr Val Ile Gln Tyr Gly Asn Val Ile Gln Leu Leu His Leu Lys Ser
    47
                                   120
    48 Asn Lys Tyr Leu Thr Val Asn Lys Arg Leu Pro Ala Leu Leu Glu Lys
                               135
    50 Asn Ala Met Arg Val Thr Leu Asp Glu Ala Gly Asn Glu Gly Ser Trp
                   150
                                              155
    52 Phe Tyr Ile Gln Pro Phe Tyr Lys Leu Arg Ser Ile Gly Asp Ser Val
    53
                       165
                                       170
```

RAW SEQUENCE LISTING DATE: 08/09/2006
PATENT APPLICATION: US/10/587,300 TIME: 14:13:10

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

54 Val Ile Gly Asp Lys Val Val Leu Asn Pro Val Asn Ala Gly Gln Pro 185 56 Leu His Ala Ser Ser His Gln Leu Val Asp Asn Pro Gly Cys Asn Glu 200 205 57 195 58 Val Asn Ser Val Asn Cys Asn Thr Ser Trp Lys Ile Val Leu Phe Met 215 60 Lys Trp Ser Asp Asn Lys Asp Ile Leu Lys Gly Gly Asp Val Val 240 - -62 Arg Leu Phe His Ala Glu Glu Lys Phe Leu Thr Cys Asp Glu His 250 245 64 Arg Lys Lys Gln His Val Phe Leu Arg Thr Thr Gly Arg Gln Ser Ala 260 265 66 Thr Ser Ala Thr Ser Ser Lys Ala Leu Trp Glu Val Glu Val Val Gln 280 68 His Asp Pro Cys Arg Gly Gly Ala Gly Tyr Trp Asn Ser Leu Phe Arg 295 70 Phe Lys His Leu Ala Thr Gly His Tyr Leu Ala Ala Glu Val Asp Pro 315 310 72 Asp: Phe Glu Glu Glu Cys Leu Glu Phe Gln Pro Ser Val Asp Pro Asp 335 325 330 74 Gln Asp Ala Ser Arg Ser Arg Leu Arg Asn Ala Gln Glu Lys Met Val 345 340 76 Tyr Ser Leu Val Ser Val Pro Glu Gly Asn Asp Ile Ser Ser Ile Phe 360 78 Glu Leu Asp Pro Thr Thr Leu Arg Gly Gly Asp Ser Leu Val Pro Arg 375 380 80 Asn Ser Tyr Val Arg Leu Arg His Leu Cys Thr Asn Thr Trp Val His 390 395 82 Ser Thr Asn Ile Pro Ile Asp Lys Glu Glu Lys Pro Val Met Leu 405 410 84 Lys Ile Gly Thr Ser Pro Leu Lys Glu Asp Lys Glu Ala Phe Ala Ile 425 420 86 Val Pro Val Ser Pro Ala Glu Val Arg Asp Leu Asp Phe Ala Asn Asp 88 Ala Ser Lys Val Leu Gly Ser Ile Ala Gly Lys Leu Glu Lys Gly Thr 455 90 Ile Thr Gln Asn Glu Arg Arg Ser Val Thr Lys Leu Leu Glu Asp Leu 470 92 Val Tyr Phe Val Thr Gly Gly Thr Asn Ser Gly Gln Asp Val Leu Glu 485 490 94 Val Val Phe Ser Lys Pro Asn Arg Glu Arg Gln Lys Leu Met Arg Glu 505 500 96 Gln Asn Ile Leu Lys Gln Ile Phe Lys Leu Leu Gln Ala Pro Phe Thr 520 98 Asp Cys Gly Asp Gly Pro Met Leu Arg Leu Glu Glu Leu Gly Asp Gln 535 100 Arg His Ala Pro Phe Arg His Ile Cys Arg Leu Cys Tyr Arg Val Leu 102 Arg His Ser Gln Gln Asp Tyr Arg Lys Asn Gln Glu Tyr Ile Ala Lys

RAW SEQUENCE LISTING DATE: 08/09/2006
PATENT APPLICATION: US/10/587,300 TIME: 14:13:10

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

103					565					570					575	
	Gln	Dho	G137	Dho		Gln	Lys	Gln	т1ь		ጥኒታዮ	Δen	Val	T.e11		Glu
	GIII	PHE	Gry	580	Mec	GIII	пуъ	GIII	585	Gry	TYL	мэр	vai	590	AIG	GIU
105	7.00	The sec	т1.		77-	T 011	Leu	uic		7 an	7~~	Larc	Lau		Glu	Larg
	Asp	1111		1111	нта	пеп	ьец	600	ASII	ASII	Arg	цуб	605	пец	GIU	БуБ
107	TT	T1.	595	ח ז ת	ח ד ת	C1	т1.		The	Dho	17-1	Cor		บวไ	7~~	Luc
	HIS		Thr	Ala	Ата	GIU	Ile	Asp	IIII	Pne	Val	620	ьеu	vai	Arg	цуь
109	3	610	a1	D	7	D'is s	615	7	M	T	C		T 0	C	17-1	Cor
		Arg	GIU	Pro	Arg		Leu	Asp	Tyr	Leu		Asp	Leu	Cys	val	
	625	•	•	0	- 1 -	630	**- 7	m1	a 1	a 1	635	-1 -	C	T	77.	640
	мет	Asn	гÀг	ser		Pro	Val	Thr	GIN		Leu	тте	Cys	ьуѕ		Vai
113	•		5	m1	645	.	3	-1 -	.	650	a 1	mla sa	T	7	655	T 011
	ьeu	Asn	Pro		Asn	Ата	Asp	тте		тте	GIU	THE	ьуѕ		vaı	теп
115			21	660	D1	a 1	a 1	**- 7	665	m1	a 1	a 1	7	670	7	<i>α</i> 1
	ser	Arg		GIU	Pne	GIU	Gly		ser	Thr	GIY	GIU		Ala	Leu	GIU
117		~7	675	•	a 1	a 1	~ 1	680	m	.	Db	M	685	7	0	7
	Ala	_	GIU	Asp	GIU	GIU	Glu	vaı	Trp	ьeu	Pne		Arg	Asp	ser	ASII
119	_	690		•	.	-	695	** - 1	•	~ 1	.	700	~1	7	77-	T
	-	GIU	тте	Arg		_	Ser	vai	Arg	GIU		Ala	GIN	Asp	Ala	
	705	T	.m. 41			710			7	.	715				(Th	720
	GIU	GLY	Gin	- гуѕ		Asp	Arg	Asp	vai		ser	Tyr	TYI	Arg		Gln
123	_	_	_	51	725	•	36 - L	~	T	730	7	a 1	m	T	735	T 1.
	Leu	Asn	ьeu		Ala	Arg	Met	Cys		Asp	arg	GIN	Tyr		Ala	шe
125	_			740	~-7	~-7	_	_	745			-7		750	~	34- 4
	Asn	GIu		Ser	GIY	GIn	Leu	_	vaı	Asp	ьeu	тте		Arg	Cys	мес
127	_	_	755	•	-	D	·	760	•	3	77.		765	a	7	T
	ser		GIU	Asn	ьeu	Pro	Tyr	Asp	Leu	arg	Ата		Pne	Cys	Arg	ьeu
129	37 - 1-	770	***	34-L	TT -	*** 7	775	7	3	D	a1	780	~1 ~	77-7	mb =	Drec
		Leu	HIS	met	HIS		Asp	Arg	Asp	Pro		GIU	GIII	Vai	1111	800
	785	T	The see	77.	7	790	TT ====	0	~1	т1.	795	Com	~1	Tlo	ת ד ת	
	vai	ьys	Tyr	Ala	_	ьeu	Trp	ser	GIU		PIO	ser	GIU	ire	815	TIE
133	7	3		7	805	C	a1	77.	C = ~	810	7	~1	T10	T ***		7~~
	Asp	Asp	ıyı	820	ser	Ser	Gly	Ата	825	ьуъ	Asp	GIU	116	830	GIU	Arg
135	Dha	77.	~1 m		Mot	C1.,	Phe	W-1		C1.,	Тиг	T 011	7.20		1721	TeV
		Ala		1111	Mec	GIU	Pile	840	GIU	GIU	TAT	ьeu	845	Asp	vai	vai
137		~1 <u>~</u>	835	Dho	Dwo	Dho	Ser		Tara	C1.,	Tara	7 cn		T 011	Thr	Dhe
	-		Arg	Pile	PIO	Pne	855	Asp	пуѕ	GIU	пуъ	860	пуъ	пеп	1111	PILE
139		850	17-1	7 ~~	T 011	777		λαη	T 011	Tla	The rec		C117	Dho	There	Nen
		vai	vai	ASII	ьeu		Arg	ASII	ьец	TIE	875	Pne	Gry	PHE	ıyı	880
	865	0	7	T	T 0	870	Leu	The	T	т1.		T 011	71-	Tlo	T 011	
	Pne	ser	Asp	ьeu	885	Arg	ьeu	TIII	пуѕ	890	пеп	ьeu	Ala	116	895	Asp
143	O	1707	TT i a	1701		mb x	T10	Dho	Dro	-	cor	T	Mot	Thr		Clv
	Cys	vai	ніѕ		TIII	IIII	Ile	Pile	905	116	ser	гур	Met	910	цуъ	Gly
145	~1	a1	7 ~~	900	~1	Cor	7 an	17a l		7~~	Cox	т1.	uic		Tra T	Clar
		GIU		ьуѕ	GTÀ	ser	Asn		MEC	Arg	ser	тте	925	GIA	val	Эту
147		T	915 Mot	mb	<u>م</u> 1۔	₹7~ T	17~ T	920	71	C1. -	~1. -	C1		T 011	D~~	Met
			met	inr	GIII	vaı	Val	ьeu	Arg	GIÀ	GIÀ		File	ьeu	PLO	Mec
149		930	Met	77 -	7 T -	7 T	935	C1	Q1	7 ~~	77~7	940	<u>م</u> 1 -	7.7.~	G1	Dro
		Pro	мес	ATG	ATG		Pro	GIU	GIĀ	ASI		ьys	GIII	AId	GIU	
151	945					950					955					960

RAW SEQUENCE LISTING DATE: 08/09/2006
PATENT APPLICATION: US/10/587,300 TIME: 14:13:10

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

152 Glu Lys Glu Asp Ile Met Val Met Asp Thr Lys Leu Lys Ile Ile Glu 965 970 154 Ile Leu Gln Phe Ile Leu Asn Val Arg Leu Asp Tyr Arg Ile Ser Cys 985 980 156 Leu Leu Cys Ile Phe Lys Arg Glu Phe Asp Glu Ser Asn Ser Gln Ser 1000 1005 157 995 158 Ser Glu Thr Ser Ser Gly Asn Ser Ser Gln Glu Gly Pro Ser Asn Val 1015 -1020 1010 160 Pro Gly Ala Leu Asp Phe Glu His Ile Glu Glu Gln Ala Glu Gly Ile 161 1025 1030 1035 162 Phe Gly Gly Ser Glu Glu Asn Thr Pro Leu Asp Leu Asp Asp His Gly 1045 1050 164 Gly Arg Thr Phe Leu Arg Val Leu Leu His Leu Thr Met His Asp Tyr 165 1060 1065 166 Pro Pro Leu Val Ser Gly Ala Leu Gln Leu Leu Phe Arg His Phe Ser 167 1075 1080 1085 168 Gln Arg Gln Glu Val Leu Gln Ala Phe Lys Gln Val Gln Leu Leu Val 169 1090 1095 1100 170 Thr Ser Gln Asp Val Asp Asn Tyr Lys Gln Ile Lys Gln Asp Leu Asp 1120 172 Gln Leu Arg Ser Ile Val Glu Lys Ser Glu Leu Trp Val Tyr Lys Gly 1125 1130 174 Gln Gly Pro Asp Glu Pro Met Asp Gly Ala Ser Gly Glu Asn Glu His 1140 1145 176 Lys Lys Thr Glu Glu Gly Thr Ser Lys Pro Leu Lys His Glu Ser Thr 177 1155 1160 1165 178 Ser Ser Tyr Asn Tyr Arg Val Val Lys Glu Ile Leu Ile Arg Leu Ser 179 1170 1175 1180 180 Lys Leu Cys Val Gln Glu Ser Ala Ser Val Arg Lys Ser Arg Lys Gln 1195 1190 182 Gln Gln Arg Leu Leu Arg Asn Met Gly Ala His Ala Val Val Leu Glu 1205 1210 184 Leu Leu Gln Ile Pro Tyr Glu Lys Ala Glu Asp Thr Lys Met Gln Glu 1220 1225 186 Ile Met Arg Leu Ala His Glu Phe Leu Gln Asn Phe Cys Ala Gly Asn 187 1235 1240 188 Gln Gln Asn Gln Ala Leu Leu His Lys His Ile Asn Leu Phe Leu Asn 1255 1260 190 Pro Gly Ile Leu Glu Ala Val Thr Met Gln His Ile Phe Met Asn Asn 1270 1275 192 Phe Gln Leu Cys Ser Glu Ile Asn Glu Arg Val Val Gln His Phe Val 1285 1290 194 His Cys Ile Glu Thr His Gly Arg Asn Val Gln Tyr Ile Lys Phe Leu 1305 1300 196 Gln Thr Ile Val Lys Ala Glu Gly Lys Phe Ile Lys Lys Cys Gln Asp 1320 198 Met Val Met Ala Glu Leu Val Asn Ser Gly Glu Asp Val Leu Val Phe 1335 200 Tyr Asn Asp Arg Ala Ser Phe Gln Thr Leu Ile Gln Met Met Arg Ser

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/587,300
DATE: 08/09/2006
TIME: 14:13:10

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

1260	
201 1345 1350 1355 1360	
and die Arg Arg Met Asp Glu Asp Ser Pro Leu Phe Met Tyl his IIe	
1370	
203 1365 204 His Leu Val Glu Leu Leu Ala Val Cys Thr Glu Gly Lys Asn Val Tyr	
1200 1302	
205 1380 1500 206 Thr Glu Ile Lys Cys Asn Ser Leu Pro Leu Asp Asp Ile Val Arg	
207 1395 1400 2100 208 Val Val Thr His Glu Asp Cys Ile Pro Glu Val Lys Ile Ala Tyr Ile	Amar No. 1
1/15 1720	
209 The Law Age His Cas Tyr Val Asp Thr Glu Val Glu Met Lys Glu	
211 1425 1430 1435 212 Ile Tyr Thr Ser Asn His Met Trp Lys Leu Phe Glu Asn Phe Leu Val	
1430	
213 1445 214 Asp Ile Cys Arg Ala Cys Asn Asn Thr Ser Asp Arg Lys His Ala Asp	
1465	
215 1460 1460 216 Ser Val Leu Glu Lys Tyr Val Thr Glu Ile Val Met Ser Ile Val Thr	
1 A B C (A X ()	
The Die Cor Cor Pro Phe Ser Asp Gln Ser Thr Thr Leu Gln Thr	
218 Thr Phe Phe Sel Sel Flo The Sel The 1500 219 1490 1495 1500	
The man are wall the Wal Gir Leu Gin Giy vai File Arg var are	
221 1505 1510 222 His Cys Asn Trp Leu Met Pro Ser Gln Lys Ala Ser Val Glu Ser Cys	
1676 1330	
223 1525 224 Ile Arg Val Leu Ser Asp Val Ala Lys Ser Arg Ala Ile Ala Ile Pro	
225 1540 1343 226 Val Asp Leu Asp Ser Gln Val Asn Leu Phe Leu Lys Ser His Asn	
156()	
227 1555 1560 228 Ile Val Gln Lys Thr Ala Met Asn Trp Arg Leu Ser Ala Arg Asn Ala	
1676	
220 Ala Arg Arg Asp Glu Val Leu Ala Ala Ser Arg Asp Tyl Arg Ash Tro	
1590	
222 Ile Glu Arg Leu Gln Asp Ile Val Ser Ala Leu Glu Asp Arg Leu Arg	
1606	
and Due Lou Val Cln Ala Glu Leu Ser Val Leu Val Asp Val Leu His Arg	
1200	
236 Pro Glu Leu Leu Phe Pro Glu Asn Thr Asp Ala Arg Arg Lys Cys Glu	
1641)	
237 1635 238 Ser Gly Gly Phe Ile Cys Lys Leu Ile Lys His Thr Lys Gln Leu Leu	
240 Glu Glu Asn Glu Glu Lys Leu Cys Ile Lys Val Leu Gin in Leu Arg	
242 Cly Met Met Thr Lvs Asp Arg Gly Tyr Gly Glu Lys Gly Clu 1124	
1605 1030	
244 Arg Cln Ile Leu Val Asn Arg Tyr Tyr Giy Asn Ile Arg Flo Ser ell	
100	
246 Arg Arg Glu Ser Leu Thr Ser Phe Gly Asn Gly Pro Leu Ser Pro Gly	
1770	
248 Gly Pro Ser Lys Pro Gly Gly Gly Gly Gly Pro Gly Ser Gly Ser	
249 1730 1735 1740	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/587,300

DATE: 08/09/2006 TIME: 14:13:11

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

e de la companya della companya della companya de la companya della companya dell

Please Note:

....

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Land Land Control

Seq#:21; Xaa Pos. 2,3
Seq#:24; Xaa Pos. 2,4,5

VERIFICATION SUMMARY

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,300

TIME: 14:13:11

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J587300.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:7134 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

L:7138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21

L:7139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:7326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23

L:7693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

Raw Sequence Listing before editing, for reference only



IFWP

RAW SEQUENCE LISTING

DATE: 08/04/2006

PATENT APPLICATION: US/10/587,300

TIME: 14:28:19

Input Set : A:\21108.0042U2 Sequence Listing.txt

Output Set: N:\CRF4\08042006\J587300.raw

4 <110> APPLICANT: Yule, D.I.

5 Wagner II, Larry

7 <120> TITLE OF INVENTION: Inositol 1,4,5-trisphosphate receptor

8 mutants and uses thereof

10 <130> FILE REFERENCE: 21108.0042U2

C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/587,300

C--> 12 <141> CURRENT FILING DATE: 2006-07-26

12 <150> PRIOR APPLICATION NUMBER: PCT/US2005/002380

13 <151> PRIOR FILING DATE: 2005-01-26

15 <150> PRIOR APPLICATION NUMBER: 60/539,245

16 <151> PRIOR FILING DATE: 2004-01-26

18 <160> NUMBER OF SEQ ID NOS: 32

20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES

7795 <210> SEQ ID NO: 32

7796 <211> LENGTH: 9

7797 <212> TYPE: PRT

7798 <213> ORGANISM: Artificial Sequence

7800 <220> FEATURE:

7801 <223> OTHER INFORMATION: Description of Artificial Sequence; note =

7802 synthetic construct

7804 <400> SEQUENCE: 32

7805 Gly Tyr Gly Glu Lys Gly Glu Ala Leu

7806 <u>1</u>

7808 21108.0042P1

E--> 7810

VERIFICATION SUMMARY

DATE: 08/04/2006

PATENT APPLICATION: US/10/587,300

TIME: 14:28:21

Input Set : A:\21108.0042U2 Sequence Listing.txt

Output Set: N:\CRF4\08042006\J587300.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:7134 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

 $L:7138\ M:258\ W:$ Mandatory Feature missing, <220> Tag not found for SEQ ID#:21

L:7139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:7326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23

L:7693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

L:7810 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:32